

L 15204-65

ACCESSION NR: AT4048187

ASSOCIATION: none

SUBMITTED: 04Apr64

ENCL: 00

SUB CODE: 0C

NO REF SOV: 002

OTHER: 001

Card 1/1

MISHCHENKO, M.I.; KOVALICHUK, V.I.; SAMOILIN, A.V.; KUDACHA, T.I.
[Izv. v. 9, T. 1.]

Apparatus for studying the movements of polymers and heat
transfer in screw presses. Krim.prom. [Ukr.] no. 1: 34-35 Ja-
Mr. Ing. MIRA 1214

ACC NR: AT6017660

SOURCE CODE: UP/3162/65/000/002/0177/0179

AUTHOR: Smoylov, A. V. (Engineer), Mashentsev, M. I. (Engineer)

ORG: none

TITLE: Instrument for measuring the thermophysical characteristics of polymers in a wide temperature range

SOURCE: Ukraine. Ministerstvo vysshogo i srednego spetsial'nogo obrazovaniya. Khimicheskoye mashinostroyeniye, no. 2, 1965. *Protsessy, mashiny, apparaty i avtomatizatsiya khimicheskikh proizvodstv* (Processes, machines, apparatus and automation of chemical plants), 177-179

TOPIC TAGS: measuring device, heat source / PE-500 polyethylene

ABSTRACT: The device (designed by the authors) was used to measure the thermophysical characteristics of PE-500 polyethylene in the temperature range 20-1600°. The device was designed in view of the fact that existing devices measure thermophysical characteristics of various polymers *below* the polymer's melting point. The device (which makes use of a spiral source for heating the test materials) measures heat conductivity, heat capacity and density simultaneously. The latter characteristics are analyzed and their temperature dependence in the case of polyethylene is plotted. The test results agree

Card 1/2

L 36951-66

ACC NR: AT6017660

well with data from other methods. The device is based on a heat source method developed by M. V. Kulakov. Orig. art. has: 1 figure.

SUB CODE: 07/14/ SUBM DATE: none

Card 2/2 *MB*

L 27790-65 EWT(m)/EPA(s)-2/EPE(c)/T/EMP(j)/EPR Pc-L/Pr-L/Pa-L/Pt-10 WW/DJ/RM
ACCESSION NR: AP5004312 8/0191/65/000/002/0026/0028

AUTHOR: Bogdanov, I. F.; Grabenshchikova, G. V.; Losev, V. B.; Mishchenko, M. L.;
Molchanov, E. V.; Farberov, I. L.

TITLE: Study of the thermal degradation of polychloroorganosiloxane polymers

SOURCE: Plasticheskiye massy, no. 2, 1965, 26-28

TOPIC TAGS: silicorganic polymer, organosiloxane, polychlorosiloxane, polymer thermal degradation, phenylsiloxane polymer, chlorinated polymer

ABSTRACT: The effect of chlorination of the phenyl radical on the thermal stability of polydimethylphenylsiloxanes was studied experimentally. The thermal properties of polydimethyl-, polydimethylchloro-, polydimethyldichloro- and polydimethyltrichlorophenylsiloxane were determined by recording the thermal effects of pyrolysis to 800C on Kurnakov's pyrometer, by measuring the pyrolytic weight loss to 1000C, and by analyzing the gaseous decomposition products generated up to 1000C. The non-halogenated polymer showed a small exothermic effect at 530C, while the chlorine-substituted specimen exhibited stronger exothermic effects at 550-565C, the height of the peaks increasing with the number of chlorine atoms. Chlorine

Card 1/2

L 27790-65

ACCESSION NR: AF5004312

containing specimens started to decompose at lower temperatures, and the rate of gas generation and the percentage of bonded chlorine split off as hydrogen chloride both increased with the degree of chlorination. The amount of hydrogen liberated as H₂ or methane as compared with the initial hydrogen content of the methyl groups decreased in the chlorinated polymers, indicating a shielding effect of chlorine with respect to the stability of the methyl. Generally, the thermal stability decreased with increasing chlorine content. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: 00, 00

NO REF SOV: 002

OTHER: 002

Card 2/2

4 c

L 27790-65 ZKT(m)/EPA(s)-2/EPP(c)/T/ETP(j)/EPR Pc-u/Pt-u/Ps-u/Pt-10 27790/27
 5/0191/65/000/002/0026/0028
 ACCESSION NR: AP5004312

AUTHOR: Bogdanov, I. F.; Grebenshchikova, G. V.; Losev, V. B.; Mishchenko, M. L.;
 Molchanov, B. V.; Farberov, I. L.

TITLE: Study of the thermal degradation of polychloroorganosiloxane polymers

SOURCE: Plasticheskiye massy, no. 2, 1965, 26-28

TOPIC TAGS: silicorganic polymer, organosiloxane, polychlorosiloxane, polymer thermal degradation, phenylsiloxane polymer, chlorinated polymer

ABSTRACT: The effect of chlorination of the phenyl radical on the thermal stability of polydimethylphenylsiloxanes was studied experimentally. The thermal properties of polydimethyl-, polydimethylchloro-, polydimethyldichloro- and polydimethyltrichlorophenylsiloxane were determined by recording the thermal effects of pyrolysis to 800C on Kurnakov's pyrometer, by measuring the pyrolytic weight loss to 1000C, and by analyzing the gaseous decomposition products generated up to 1000C. The non-halogenated polymer showed a small exothermic effect at 530C, while the chlorine-substituted specimen exhibited stronger exothermic effects at 550-565C, the height of the peaks increasing with the number of chlorine atoms. Chlorine

Card 1/2

L 27790-65

ACCESSION NR: AP5004312

containing specimens started to decompose at lower temperatures, and the rate of gas generation and the percentage of bonded chlorine split off as hydrogen chloride both increased with the degree of chlorination. The amount of hydrogen liberated as H_2 or methane as compared with the initial hydrogen content of the methyl groups decreased in the chlorinated polymers, indicating a shielding effect of chlorine with respect to the stability of the methyl. Generally, the thermal stability decreased with increasing chlorine content. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: OC, OC

NO REF SOV: 002

OTHER: 002

Card 2/2

MISHCHENKO, M.P.

Effect of heat radiation on observations needed for time
corrections. Uchen. zap. LGU no. 190:179-191 '62. (MIRA 10 7)
(Transit instruments)

PHASE I BOOK EXPLOITATION

SOV/4333

Leningrad. Universitet

Mezhdunarodnyy geofizicheskiy god; sbornik statey i materialov (International Geophysical Year; Collected Articles and Materials) [Leningrad] Izd-vo Leningradskogo univ., 1960. 222 p. 1,500 copies printed.

Resp. Ed.: K. Ya. Kondrat'yev, Professor; Ed.: Z.I. Tsar'kova; Tech. Ed.: Ye. G. Zhukova.

PURPOSE: This publication is intended for scientific research workers and graduate students in the fields of astronomy, geophysics, and geography.

COVERAGE: This collection of 13 articles presents the first results of work performed by the members of the faculty of the Leningradskiy universitet (Leningrad University) under the IGY program. Individual articles deal with the problems of the physics of atmosphere, the conditions for the observation of noctilucent clouds, and the analysis of the radiation balance. Other articles present data gathered by a comprehensive expedition for studies in geomorphology,

Card 15

International Geophysical Year (Cont.)

80V/4333

hydrology and climatology. No personalities are mentioned. References follow each article.

TABLE OF CONTENTS:

Gromova, L.F. Some Data on the Frequency of Appearance of Noctilucent Clouds in the Western Part of the USSR	5
Sharonov, V.V. Photometric Conditions of Noctilucent Cloud Visibility	12
Mishchenko, M.P., and A.V. Shiryayev. The Work of the Time Service of the Astronomical Observatory, Leningrad University, According to the IGY Program. The author thanks N.N. Pavlov.	24
Kondrat'yev, K. Ya., and M.A. Yugay. Angular Distribution of the Intensity of the Radiation Balance	31
Kondrat'yev, K. Ya., Z.F. Mironova, and L.V. Dayeva. Spectral Albedo of Snow and Vegetation Cover	35

Card 2/5

International Geophysical Year (Cont.)

SOV/4333

Filipovich, O.P. The Problem of Local Thermodynamic Equilibrium
in the Earth's Atmosphere.

The author thanks Professor K. Ya. Kondrat'yev for suggesting the subject. 50

Bezverkhnii, Sh. A., A.L. Osherovich and S.F. Rodionov. Photoelectric
Ozonometers 81

Drozdov, O.A. The Work of the Department of Geography of the Leningrad
State University on the Fedchenko Glacier During the IGY 105

Ryumin, A.K. Geomorphology of the Terminal End of the Fedchenko Glacier 112

Karol', B.P. Meteorological Investigations on the Fedchenko Glacier 126

Drozdov, O.A. Some Particular Features of the Thermal Regime and
Local Circulation in the Fedchenko Glacier Region 134

Khess, M. Some Particular Features of the Radiation Balance on the
Fedchenko Glacier (on the Basis of Work Done in 1957) 141

Card 3/5

International Geophysical Year (Cont.)

80V/4333

Karol', B.P. Penetration of Radiation into the Snow and Ice of
Glaciers (on the Basis of Observation Data on the Fedchenko Glacier).

The author mentions the student V. Bufal as having participated
in the experimental observation work.

151

Konkina, N.G., and A.G. Pronin. Water Regime of the Sel'dara River
(Hydrological Investigations of the 1957-1958 Pamir Expedition of the
Leningrad State University According to the IGY Program)

151

Bachurin, G.V. The Kaindy River

151

Konkina, N.G., and V.A. Makarova. Some Peculiarities of the Hydrochemical
Regime of the Rivers in the Upper Reaches of the Muksu (Based on Data
From the Pamir Expedition to the Fedchenko Glacier in 1957-1958)

157

Lebedeva, Ye. S., and L.K. Davydov. Flood at the Terminal End of the
Fedchenko Glacier in Summer 1958

11

Card 4/5

International Geophysical Year (Cont.)

SOV/4333

Petrov, L.S. Problem of the Relationship Between the Fluctuations
of the Arctic Climate and Atmospheric Circulation and Solar Activity

116

AVAILABLE: Library of Congress

Card 5/5

JA/dwm/mas
11-8-60

SHIRYAYEV, A.V.; MISHCHENKO, M.P.

Conclusion of a four-year series of observations on a
photoelectric transit instrument and preliminary results.
Uch.zap.LGU no.307:210-229 '62. (MIRA 15:9)
(Transit instruments) (Stars—Observations)

1. The first of these is the

new system of the

L 24479-65 EWT(1)/EWG(r) Po-4/Ps-5/Pq-4/Pac-4/Pae-2 GW:

ACCESSION NR: AT5001343

8/2703/64/000/323/0208/0213

36
83
B+1

AUTHOR: Mishchenko, M. F.

TITLE: Influence of wind and local refraction anomalies on the accuracy of time determinations

SOURCE: Leningrad, Universitet. Uchenyye zapiski, no. 323, 1964. Seriya matematicheskikh nauk, no. 37. Trudy astronomicheskoy observatorii, v. 20, 208-213

TOPIC TAGS: astronomy, time determination, wind effect, atmospheric refraction, transit instrument, astronomical instrument

ABSTRACT: A study was made to determine what change in the wind effect would result from nickel plating of the surface of the Bamberg transit instrument No. 11675 at the observatory of Leningradskiy universitet (Leningrad University). After replacement of the surface of the instrument, painted with a bright thick paint which was a good absorber of thermal infrared radiation, by a nickel-plated surface with high reflectivity, there was a considerable attenuation of temperature effects on the telescope and axis of the transit instrument. There was also found to be a relationship between clock correction and change in atmospheric transparency. In cases of poor transparency the clock correction was systematically greater than

Card 1/2

L 24479-65

ACCESSION NR: AT5001343

3

with good transparency. This can apparently be attributed to changes in the refractive properties of the air layers over the instrument, which are also related directly to the wind. Different studies gave contradictory results, especially for cases of an easterly wind. This problem was analysed using data on wind velocity and direction recorded at a meteorological station 2.5 km from the transit instrument. It was noted that deviations of clock correction from standard time were the same as for observatories at Tokyo and Potsdam, except for the anomalous effect associated with an easterly wind, noted above. It was found that the anomalous effect could be traced to local refraction caused by the presence of heat sources with a total power of more than 200 watts (photoelectric recorder, light source and tape-moving motor) situated 1.5 m to the east of the instrument in the observatory hall. This and other refraction anomalies caused a deviation of clock correction by more than 0^s.010. "In conclusion, the author expresses appreciation to A. V. Shirayev for assistance in observations and participation in the discussion of the results, and to Ye. O. Shevtsov, who carried out a considerable part of the computations". Orig. art. has: 1 figure and 2 tables.

ASSOCIATION: Astronomicheskaya observatoriya, Leningradskiy Universitet.
(Astronomical observatory, Leningrad university)

SUBMITTED: 00

ENCL: 00

SUB CODE: ES

NO REF SOV: 003

OTHER: 002

Card 2/2

MICHGRENKO, M.I.; SHIRYAYEV, A.V.

Catalog of the right ascensions of 488 stars in the 1st zone of the
Time Services of the U.S.S.R., received in 1951-1960, by the
Bamberg photoelectric transit instrument No. 11025. Izv. zh. LGU
no. 326:127-162 '64. (MIRA 1815)

SHIRYAYEV, A.V.; MISHCHENKO, M.P.

Corrections of right ascensions of 82 stars in the longitude determination program observed with the no.11675 Bamberg transit instrument in 1956 and 1957. Uch.zap.LGU no.328:160-166 1965.

Investigating some errors in astronomical determinations of corrections according to the data of observations by the time service of the Leningrad University. Ibid.:167-174

(MIRA 18:10)

USSR Human and Animal Physiology - (Normal and Pathological)
Internal Secretions - Pancreas.

Orig Jour : Ref Zhur Biol., No. 4, 1959, 1-12

Author : Mishchenko, M.S.

Inst :

Title : Change of Sugar Level in Blood Under the Influence of
Insulin in Inhibition and Stimulation of Central Nervous
System.

Orig Pub : Fiziol. Zh., 1959, 3, No 3, 2-24

Abstract : Barbiturates (I; sodium amytal, nembutal) do not essentially change the character of hypoglycemic influence of insulin (II); curatan (III) weakens the action of II. This is apparently connected with the depth and degree of inhibition of CNS: I induce a deeper inhibition than III. In their utilization, subcortical centers are also inhibited, as a result of which interoceptive reflexes from the periphery which signalize the presence of hypoglycemia

Card 1/2

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620009-5

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620009-5"

USSR/Physics - Semiconductors

Nov 52

"Certain Problems of the Kinetics of Oxidation Process in Copper and of the Growth of Cuprous Oxide Crystals," A. I. Andriyevskiy and M. T. Mishchenko

"Zhur Tekh Fiz" Vol 22, No 11, pp 1713-1717

State that, despite the large volume of experimental works on semiconductors, certain gaps exist in the knowledge of the structure of the cuprous oxide layer, its composition, mechanism

236T97

of crystal growth, etc. Discuss temp variation during conversion of CuO to Cu_2O , crystal growth, distribution of impurities in the Cu_2 layer, and spectra of contact layer.

236T97

MISHCHENK, M.I.

USSR.

✓ The study of cuprous oxide electrodes by light-interference methods. A. I. Anisimov and M. I. Mishchenko. *Zhur. Tekh. Fiz.* 29, 1161-7 (1953).
The surface of Cu_2O monocrystal was studied with a microinterferometer. The external facets are not in the same plane and are inclined at different angles.
J. Rostor Leach

88

HIGHCHENKO, M. T.

THE ELECTRICAL CONDUCTIVITY OF CUPROUS OXIDE. A. I. Andriyevsky
Andrievskii, V. I. Voloshchenko, and M. T. Mishchenko. Translated
 from Doklady Akad. Nauk S.S.S.R. 20, 521-3 (1953). 3p (NSF-tr-90)

The basic elements in the polycrystalline structure of a Cu_2O layer are the crystalline grains, the intercrystalline layer, and the contact layer that separates the Cu_2O from the Cu. The role of these individual elements in the electrical conductivity of the Cu_2O layer was investigated. Samples of the oxide with different grain sizes were prepared by varying the oxidation time, by varying the temperature of the oxidizing atmosphere, and by using Cu plates of different initial thicknesses. Since the conductivity varied inversely with the size of the grains, it was determined that the intercrystalline layer plays an important part in the conductivity. The specific conductivity of the Cu_2O layer is proportional to the number of grains per unit of surface area of the sample. (J.S.R.)

Neuclear
 Science Absts.
 Vol. 8
 January 15, 1954
 Physics

MISHCHENKE, M. T.

USSR.

✓ The nature and properties of intercrystalline layers in oxides. A. I. Andrievskii and M. T. Mishchenko. *Zhur. Tekh. Fiz.* 24, 84-90 (1944).—1944. The intercrystalline layers in Cu_2O are amorphous and fairly fluid even at 1000° ($\text{Cu}_2\text{O m. } 1235^\circ$). The intercrystalline layers appear on photocmicrographs as protruding peaks. Up to 800° the resistance of these layers to rupture is the same as of the crystals; above 800° their resistance is progressively smaller than that of crystals. At 1020° the cohesion of the grains is very small and rupture occurs along the boundary. Two consecutive layers of Cu_2O show different rupture patterns; this indicates that the interlayer films are in the same condition as intercrystalline material. S. Pakayev.

Classification, H. . .

USSR/Physics - Contact layer

FD-503

Card 1/1 : Pub. 198 - 574

Author : Andriyevskiy, A. I., and Mischenko, M. T.

Title : The contact layer of cuprous oxide

Periodical : Zhur. tekhn. fiz. 24, 818-19, May 1954

Abstract : Concludes that the electrical conductivity of the contact layer close to the contact layer is significantly higher than that of the basic part of Cu_2O . This explains the fact that the conductivity along a cuprous oxide specimen made by open two-side oxidation of copper plates is three times greater than the conductivity across its layer, as earlier reported by the authors (DAN SSSR, #, 4, 1954).

Institution : --

Submitted : June 21, 1954

01.11.1980, M.T.

Category USSR Solid State Physics - Phase Transformation in Solid Bodies 2

Abstr Jour Ref Zhur - Fizika, No. 1, 1980, No. 1980.

Author Andriyevskiy A I, Mishchenko, M T

Title On the Features of Growth of Cuprous Oxide Crystals at High Temperature

Orig Pub Dokl Lvovsk politekh instal, 1980, No. 2, 88-9

Abstract Report on the results of an investigation of the features of the growth of cuprous oxide crystals on the surface of a copper plate in an oxidizing medium at high temperature. Based on microscopic investigations of the structure of the layer of cuprous oxide on the copper plate at various durations of oxidation, the authors reach the conclusion that the growth of the grains of the cuprous oxide layer represents a combination of a gradual increase in the mass of the product with rapid jump-like transitions from the fine-grain to a coarser-grain structure, occurring as a result of the periodic recrystallization acts. Results are reported on the observation of the interference pattern on the surface of a cuprous oxide layer, explaining the character of the variation of the form of the profile of the new and old boundaries between the grains after recrystallization.

Card 1/1

MISCHCHENKO

M. T.

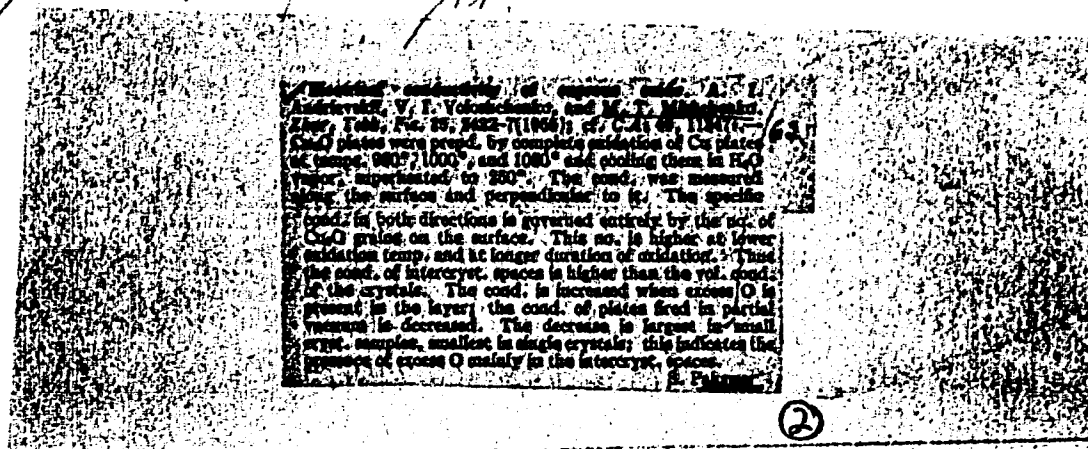
00

✓ The mechanism of the oxidation of copper in air at high temperatures. A. I. Andrievskii and M. T. Mischchenko, *Zhur. Tekh. Fiz.* 25, 1685-6 (1955). ~~_____~~
graphs are presented showing how Cu_2O forms rapidly at temps. over 1020° . The pictures obtained at $1050-1060^\circ$ are noticeably different, because the eutectic $\text{Cu-Cu}_2\text{O}$ melts at 1065° .
Werner Jacobson

①

NA

Mishchenko 7/17



ANDRIYEVSKIY, A.I.; MISHCHENKO, M. T.

Cupric oxide inclusions inside cuprous oxide layers. Zhur.tekh.fiz.
25 no.11 0 '55. (Copper oxides) (MLRA 2:1)

Mischenko, M. T.

¹
²
The diffusion of copper and silver atoms during formation of a cuprous oxide layer. A. I. Andrievskii and M. T. Mischenko. Soviet Phys., Tech. Phys. 1, 419-22 (1966) (Russian translation).—See C.A. 50, 10473i. B.M.R.

PM MT

MISHCHENKO, M.T.

✓ 8428. ON THE DIFFUSION OF COPPER AND OXYGEN
ATOMS IN THE FORMATION OF THE COPPER-OXIDE
LAYER. A.I. Andrievskii and M.T. Mishchenko.
Zh. tekhn. Fiz., Vol. 26, No. 2, 430-5 (1956). In Russian.

539.217 ; 541.124

2

Microscopic examinations at various temperatures confirm that during oxidation of copper opposite diffusion of the metal and oxygen atoms takes place through the hammer-scales. The relative diffusion intensity varies with the temperature of oxidation. It is shown that up to temperatures of 1020° C the oxygen diffusion rate is greater; at higher temperatures however the opposite stream of copper atoms becomes increasingly more intense.

J. Jacobs

M

USSR Morphology of Oxide Films
 Abs Jour : Ref Zhur - Fizika
 Author : Andriyevskiy, A.I. M.T.
 Inst : Dnepropetrovsk Polytechnic Inst
 Title : Concerning the Mechanism of the Growth of Oxide Films on Metals
 Oxide at High Temperature.

Orig. Pub. : Dokl. AN SSSR, 1977, 238, No. 1, p. 117-118.

Abstract : A study is made of the process of the growth of oxide films on the surface of Cu. For this purpose, photographs are taken of the surface of the same sample before and after the growth of an oxide layer, maintained first in an air-oxygen atmosphere at high temperature. The photographs were compared with photographs of the same portion after etching. It was established that the recrystallization takes place in the region where the smallest grains are located. With the growth of new recrystallization, the surface of the sample becomes smoother.

Card 1

USSR. Morphology of Crystals. *Trudy Akad. Nauk SSSR*.

Abs Jour. : Ref Zhur. : Fiz. Khim. Tver. Tela. 1977, 1, 1, 1.

Abstract : nishing small grains in liquid films under the action of surface forces. The material from the vanishing small grains does not adhere to a solid surface. It is noted among several the grains that grow in the film. The crystallization is directed towards the formation of a structure with an atomically smooth surface and a flat common surface of the grains and the liquid layer.

Card

24.7600

30V/58-59-12-2078

Translation from: Referativnyy zhurnal, Fizika, 1959, Nr 12, pp 176 - 177 (USSR)

AUTHORS Andriyevskiy, A.I., Karelin, N.N., Mishchenko, M.F.

TITLE. The Effects of Thermal Processing of Copper Oxide Plates on the Nature of the Temperature Relationship to Their Electroconductivity

PERIODICAL. Nauchn. zap. L'vovsk. politekhn. in-t, 1958, Nr 11, pp 176 - 177

ABSTRACT. The temperature relationship to the electro-conductivity (σ) of Cu_2O plates, which were subjected to various means of preliminary thermal processing, was investigated within a temperature range of -170 to $+700^\circ\text{C}$. A graph is given, showing the relationship $\lg$ versus $1/T$ for three samples, subjected to different thermal treatment. The most clear-cut effect on the $\sigma(T)$ relationship caused by the nature of the thermal processing, was found to be in the -70 to $+350^\circ\text{C}$ range, i.e., at the change-over from the admixture conductivity to the natural one. For samples, annealed in air at $T = 500^\circ\text{C}$, the lower border-line of this region begins at $T = 70^\circ\text{C}$, for samples annealed in air at $T = 1120^\circ\text{C}$, - at $T = 110^\circ\text{C}$.

Card 1/2

30V/58-59-12-2777

The Effects of Thermal Processing of Copper Oxide Plates on the Nature of Temperature Relationship to Their Electroconductivity

temperature, and for samples annealed in a vacuum at $T = 1000^\circ\text{C}$, it begins at $T = 300^\circ\text{C}$. The upper border line of the region for all samples is located in the 340 to 360°C range, besides, starting at that temperature and up to 1000°C , the $\lg \sigma$ versus $1/T$ curve is a straight line, with the same slope for all the samples, corresponding to the activation energy $\Delta E = 1.5 \text{ eV}$. In the low-temperature range, the $\lg \sigma$ versus $1/T$ relationship can also be expressed by a straight line but its slope for samples, subjected to different thermal treatment, varies. It is presumed that there is a possibility of the different oxygen content in samples, annealed under different conditions, having an effect on the relationship curve, $\lg \sigma$ versus $1/T$. However, the mechanism of this effect remains unclarified.

Y. K.

Card 2/2

MISHCHENKO, M.T.; VESELOVSKIY, T.M., tekhn. red.

[Structure and formation mechanism of cuprous oxide, and its electric properties] Stroenie, mekhanizm obrazovaniia zakisi medi i ee elektricheskie svoistva. L'vov, L'vovskii politekhn. in-t, 1959. 139 p.

(MIRA 14:7)

(Copper oxide)

C

SHLUGER, Ye.G.; MISHCHENKO, N.

Discovery of a new representative of the genus *Schoengastiella* Hirst, 1915 (Acariformes, Trombididae) in the U.S.S.R. [with summary in English]. Zool.zhur. 30 no.3:455-457 Mr '57. (MIRA 10:1)

1. Otdeleniye perenoschikov transmissivnykh zabolevaniy ot dela parazitologii i meditsinskoy zoologii Instituta epidemiologii i mikrobiologii im. N.P. Gamaleya AMN SSSR.
(Talinarizhan - Chiggers (Mites))

MISHCHENKO, N.A.

Advanced working practices of mines on continuous shifts. Ser.
DonUGI no.28 119-126 '62. (MIRA 1963,
(Coal mines and mining--Management)

BUSLAYEV, M.A.; MISHCHENKO, N.G.

Incidence of rabies and its prevention in the E.S.R.S.R. Zhur.
mikrobiol. epid. i immun. 31 no.2:107-109 D '60. (MIRA 14:6)

1. Iz Glavnogo ~~sanitarno~~-epidemiologicheskogo upravleniya Ministerstva
zdravookhraneniya RSFSR.

(RABIES)

1. MISHCHENKO, N.I.
2. USSR (600)
4. Founding
7. Computing a system of pouring channels for small and medium casting. Lit. proiz. no. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

~~72-20-1000-10-1~~
MISHCHENKO, N.I.

MC
116 A Six-Axial Centrifugal-Casting Machine for Bearings
Designed by D. M. Kaymaky and N. I. Mishchenko (Leningrad)
Patented in USSR, (6), 27-28. (See also 116-100000). The design
of the machine is described. — V. K.

①
MIT

ASHYEV, K.K.; KRYMSKIY, D.M.; MISHCHENKO, N.I.

Casting iron pistons. Lit.proizv. no. 5:25-27 Ag '54. (MLRA 7:8)
(Pistons) (Iron founding)

MISHCHENKO, N.I.

Composition of the burden for bronze castings. Lit.proisv. no.2:
30 F '56. (Bronze founding) (MIRA 9:6)

MISHCHENKO, N.K.

USSR/ Medicine - Parasitology

Card 1/1 Pub. 22 - 50/51

Authors : Zhmayeva, Z. M.; Pchelkina, A. A.; Mishchenko, N. K.; and Karulin, B. Ye.

Title : Epidemiological significance of bird ectoparasites in the natural nidus of Q fever in south central Asia

Periodical : Dok. AN SSSR 101/2, 387-389, Mar 11, 1955

Abstract : Medical data are presented on the Rickettsia-carrying characteristics of ectoparasitic birds. The parasite in question is the one causing Q Fever prevalent in the south central parts of Asia. Medical history shows that the Q parasites sometimes also attack and infect human beings and higher animals.

Institution : Acad. of Med. Sc. USSR, The N. F. Gamalei Inst. of Epidemiology and Microbiology

Presented by : Academician Ye. N. Pavlovskiy, May 25, 1954

ZIMAYEVA, Z.M.; MISHCHENKO, N.K.; PCHELKINA, A.A.

Spontaneous infection of *Hyalomma anatolicum* Koch with *Rickettsia burneti* in southern Kirghizistan. Zhur.mikrobiol.epid. i immun. 27 no.11:30-31 N '56. (MLRA 10:1)

1. Iz Institute epidemiologii i mikrobiologii imeni N.F.Gamalei AMN SSSR.

(TICKS,

Hyalomma anatolicum, carriage of *Rickettsia burneti* (Rus)

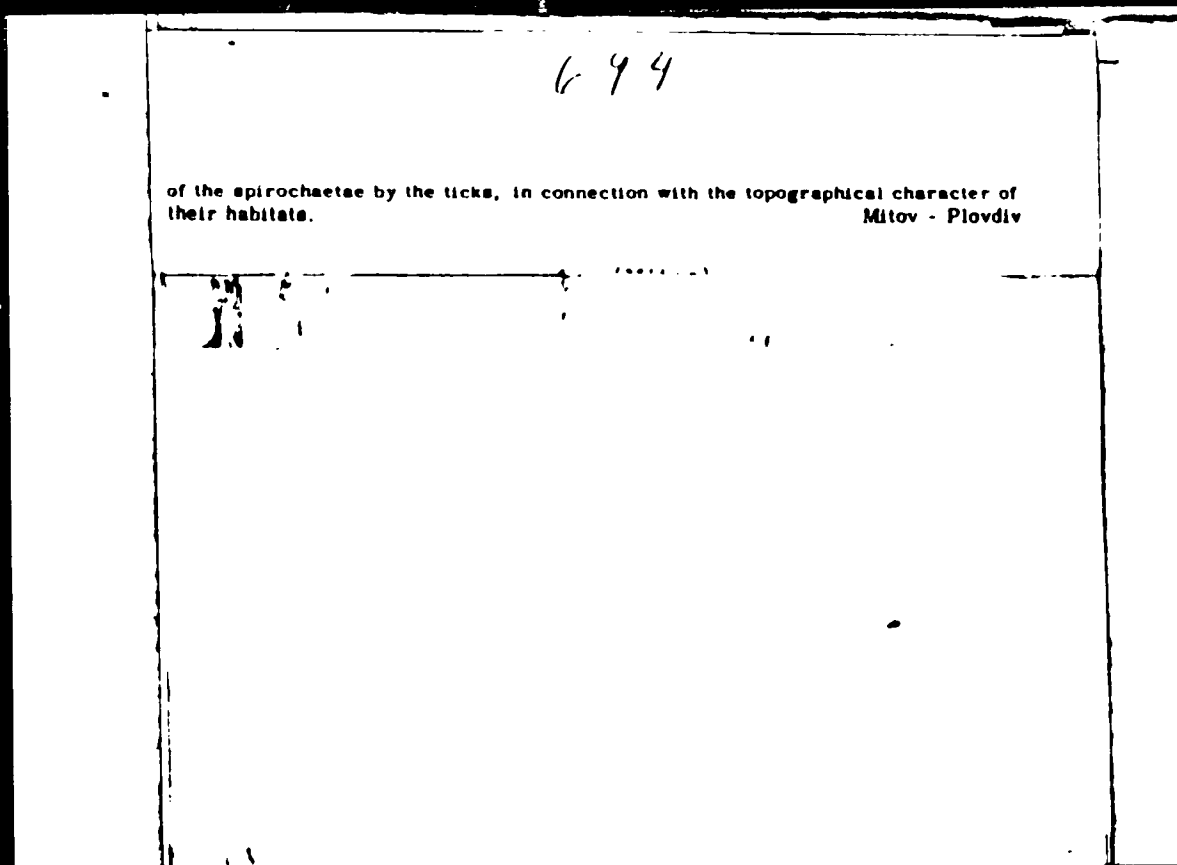
(Q FEVER, transmission

by *Hyalomma anatolicum* (Rus))

- MICHENKO, N. K.
EXCERPTA MEDICA Sec 17 Vol 5/2 Public Health Feb 59

694. THE ROLE OF LANDSCAPE IN THE RISE OF TICK-BORNE RECURRENT FEVER (Russian text) - Mischenko, N. K. - Zh Mikrobiol. (Mosk.) 1958, 2 (66-70)

The ticks *Ornithodoros papillipes* Hir., *tartakovskyi* Olenov, *neerensis* Pavlovsky, and probably also *choldkovskyi* Pavlovsky, have been proved to act as transmitters of the disease. The former two species are most widespread, the latter two being limited to isolated parts of Turkmenistan. Most importance is attributed to *O. papillipes*, the vector of *Spirochaeta sogdianum* Nicolle, the species is found wild as well as on cultivated land. *O. tartakovskyi*, vector of *Sp. latyschevi* Sof., is only found in waste country, not on cultivated land. In order to study the ecology of the ticks the endemic regions of Turkmenistan, Kirghizia and Uzbekistan have been surveyed for the characteristics of the landscape and the presence of the ticks on vertebrates. An attempt is made to explain the natural transportation



PRORESHNAYA, T.L.; MISHCHENKO, N.K.

Studies on a focus of Q fever in the Issyk-Kul District in Kirghizistan.
Zhur.mikrobiol.oid. i immun. 29 no.2:54-59 Y '59. (MIHA 11:4)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.
(Q FEVER, epidemiology,
in Russia (Rus))

Inst. of Epidemiology and Microbiology, AMO USSR Moscow

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620009-5

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620009-5"

MISHCHENKO, N.K.; SHEKHANOV, M.V.

Role of farm animals in foci of tick-borne encephalitis in the
northern part of Kalinin Province. Med.paras.i paraz.bol. 29
no.3:271-274 '60. (MIRA 13:12)
(ENCEPHALITIS) (KALININ PROVINCE--TICKS)
(PARASITES--DOMESTIC ANIMALS)

MISHCHENKO, N.K.

Role of birds and reptiles in the maintenance of foci of the
Central Asian tick-borne relapsing fever. Zool.zhur. 19 no. 4:
424-428 '60. (MIRA 13:4)

1. Department of Infections with Natural Fidelity, Institute of
Epidemiology and Microbiology, U.S.S.R. Academy of Medical
Sciences, Moscow.

(SOVIET CENTRAL ASIA--RELIAPSING FEVER)

(BIRDS AS CARRIERS OF DISEASE)

(REPTILES AS CARRIERS OF DISEASE)

...; *USHAKOVA, A. .; SHEVCHUKOVA, Ye. A.; and GADY, M, D .

... ..
... ..
... ..

... ..

SHEVKUNOVA, Ye.A.; MISHCHENKO, N.K.; ZASUKHIN, D.M.

Some data from the examination of agricultural animals for toxoplasmosis. Zhur. mikrobiol. epid. i immun. 32 no.6:125-128, 1986. (MLA 1986)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR. (TOXOPLASMOSIS) (VETERINARY MEDICINE)

MISHCHENKO, N.K.

Ticks of the genus *Ornithodoros* and their hosts in tick-borne recurrent typhus foci. Vop.kraev.paraz.Turk.SSR 3:187-198 '62.
(MIRA 16:4)

1. Institut epidemiologii i mikrobiologii imeni N.F.
Gamaleya AMN SSSR, Moskva.
(SOVIET CENTRAL ASIA—TICKS AS CARRIERS OF DISEASE)
(SOVIET CENTRAL ASIA—RELAPSING FEVER)

SIDOROV, N.Ye., kand.tekhn.nauk; ANTONOV, V.K., inzh.; MISHCHENKO, N.M.;
PILIPAYTIS, P.P.

Use of heated and oxygen-improved air in iron-ore sintering. Stal'
20 no.10:878-883 O '60. (MIRA 13:?)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov i Yena-
kiyevskiy metallurgicheskiy zavod.
(Sintering) (Oxygen—Industrial applications)

MISHCHENKO, N.M.; BELEVTSOV, A.A.; RYKOVA, B.M.; IVANENKO, A.Ya.;
KONVALOV, S.I.; MITENKO, A.I.; ANDRUSEV, A.A.; GAYDAROV, V.S.

Complex automation of blast furnace air preheaters. Stal' no.6:427-429. Jan 1968. MIRA 1968:11

1. Yenakiyevskiy metallurgicheskiy zavod.

BELEVTSSEV, G.A.; GAVRILENKO, N.G.; GRIVENKO, I.M.; KOROTIK, P.O.;
KOTEL'NIKOV, I.V.; KRASAVTSEV, N.I., kand. tekhn. nauk;
MISHCHENKO, N.M.; POPOV, N.N., kand. tekhn. nauk; SEMIK, I.P.,
kand. tekhn. nauk; TOTSKIY, G.P., kand. tekhn. nauk; SHEL'VALOV,
I.I.; Prinimali uchastiye: SOLDATKIN, A.I.; SOLOMKO, V.P.;
SOLOMATIN, A.M.; BOLOTSKIY, D.V.; ZAPORCHETS, N.P.;
BESSCHASTNYY, A.Ye.; SHVETS, N.Kh.; LIKHUNIN, S.D.; SHUMSKIY, L.B.;
VAS'KOVICH, N.A.; YEROKHINA, A.I.; GELYUKH, B.A.

Desulfuration of pig iron in a fast-revolving and continuous
drum. Met. i gornorud. prom. no.4:3-5 J1-Ag '65.

(MIRA 18:10)

WONCHENKO, N.I., kand. tekhn. nauk; BABIY, A.S.; BAYTUK, V.F.;
BASILFVSKIY, A.P.; MISHCHENKO, N.M.; MALINOVSKIY, V.G.;
NELEPA, V.I.; TOLUSKIY, A.A.; TRET'YAKOV, Ye.N., kand.
tekhn. nauk; KHALIF, M.I.; POLOPPINGORA, I.I.

Smelting of steel in oxygen- and steam-blown converters with
an acid lining. Met. i gornorud. prom. no.4: 0-25 11-Ag 1966.
MIRA 181.

BELEVTSOV, G.A.; KRASAVTSEV, N.I.; MISHCHENKO, N.M.; SOLDATKIN, A.I.;
SHARKEVICH, L.D.; *Prinimali uchastiye:* PROLOV, S.Ya.;
SHESTOPALOV, I.I.; PECHNIKOVA, Z.A.; STOLBUNSKIY, L.Z.;
USOV, V.T.; GLOTOV, P.L.; VOLKOVA, A.Ya.; ALDOKHINA, V.P.;
VOLOSHIN, Ya.T.; SHUMAKOV, I.S.; ZAPOROZHETS, N.P.;
SHAPOSHNIKOV, V.P.; GONCHAROVA, M.Ya.

Investigation of blast furnace smelting using natural gas.
Stal' 22 no.6:483-486 Je '62. (MIRA 16:7)

(Blast furnaces--Equipment and supplies)

MISHCHENKO, N.M., inzh.; BERDICHEVSKIY, Ye.Ye., inzh.; TERMINOSYAN, N.S.,
inzh.; KURILOV, A.I., inzh.; POLYAKOV, M.M., inzh.; DEMIDOVICH,
Ye.A., inzh.; PINDYURIN, N.I., inzh.; Prinimali uchastiya:
MALINOVSKIY, V.G.; MOLCHANOV, I.V.; MASHISHINA, M.P.; YEMCHENKO,
Ye.K.; CHEREDNICHENKO, A.A.; STEPANOV, V.A.; SKACHKOV, L.N.
[deceased]; KOSHMAN, A.I.; SHCHEKLIN, V.V.; CHUBATYUK, Ye.G.;
KHITOVA, Ye.Ye.; KOROBOVA, G.Z.; ROTMISTOVSKIY, B.M.; VEYSBEY, A.D.

Increasing the efficiency of section tandem mills by the use of
repeaters. Stal' 23 no.3:236-241 Mr '63. (MIRA 16:5)

1. Yenakiyevskiy metallurgicheskiy zavod.

(Rolling mills--Equipment and supplies)

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620009-5

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620009-5"

MISHCHENKO, N.N.; TER-MINASYAN, G.S.

Work of district apartment house administrations. Gor. khoz. Mosk.
32 no.2:6-8 P '58. (MIRA 11:1)

1. Nachal'nik zhilishchnogo upravleniya Shcherbakovskogo rayona (for
Mishchenko). 2. Nachal'nik Otdela domovogo khozyaystva Moszhiluprav-
leniya (for Ter-Minasyan).

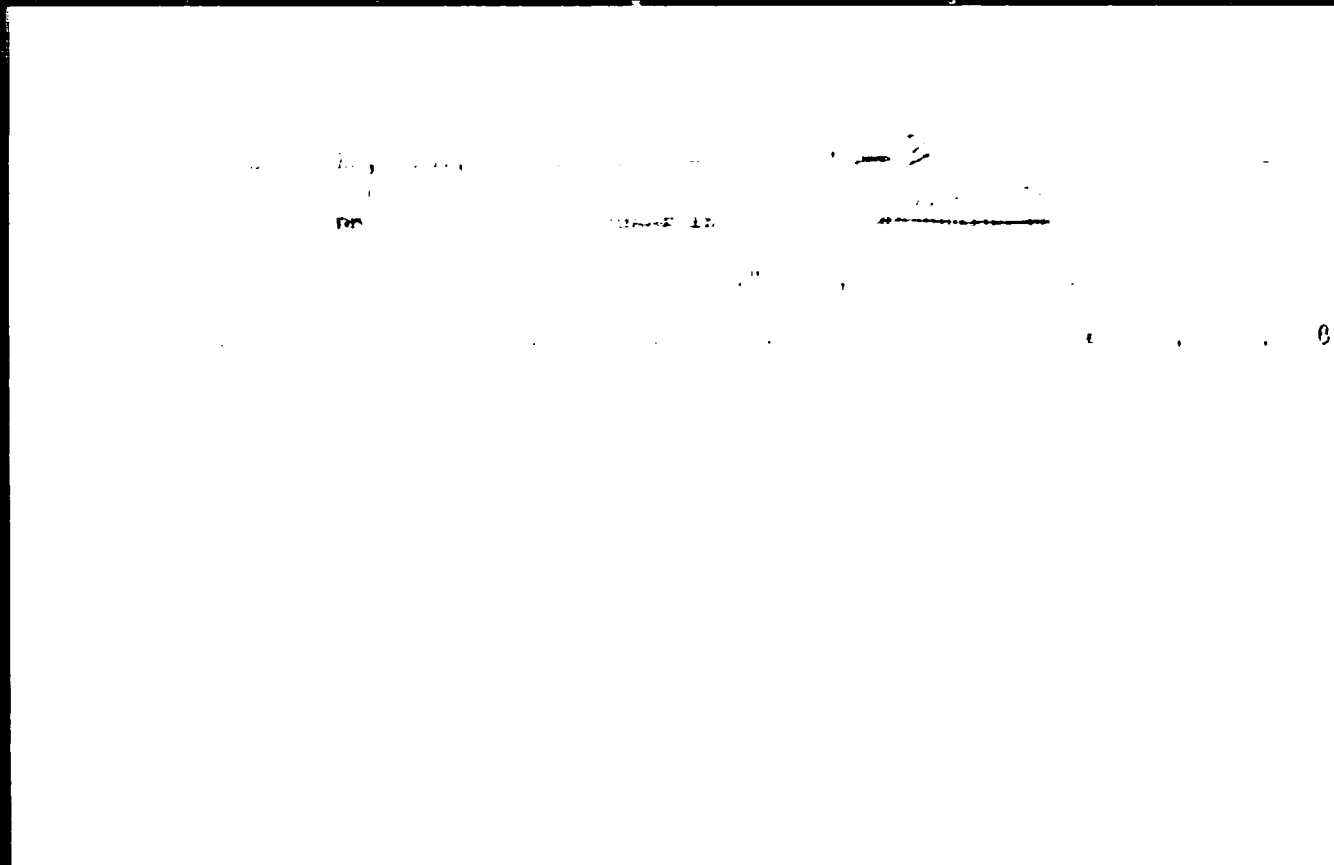
(Moscow--Apartment houses--Maintenance and repair)

MISHCHENKO, N.S. (Kiyev)

Changes in the blood sugar level under the effect of adrenaline during inhibition and excitation of the central nervous system.
Vrach. delo no.3:225-227 Mr '67 (MLRA 10:6)

1. Nauchnyy rukovoditel'-deystv. chlen AN SSSR, prof. V.P. Komissarenko.

(ADRENALINE) (SUGAR IN THE BODY) (NERVOUS SYSTEM)



MISHCHENKO, N.S.

U.M. K... (MIRAL)
()

MISHCHENKO, N.S.

Changes in the blood sugar level caused by insulin and adrenaline
during inhibition and stimulation of the central nervous system;
Sbor. nauch. trud. Ukr. nauch.-issl. inst. eksper. endok. 15:122-
131 '59. (MIRA 14:11)

(ADRENALINE IN THE BODY)	(INSULIN)
(BLOOD SUGAR)	(NERVOUS SYSTEM)

MISUCHENKO, N.S.

Influence of hormones of the adrenal cortex and the pituitary on
the general body reactivity. Vrach. delo no.8:29-32 Ag '60.
(MIRA 13:9)

1. Kafedra patofiziologii (zav. - deystv. chlen AMN SSSR, prof.
N.N. Sirotinin) Kiyevskogo meditsinskogo instituta.
(HORMONES) (HISTAMINE) (SHOCK)

27

Explosion safety measures in sulfur-ore mines N. A. Mutschenko. *Bezopasnost' Trudov i Transporta* 1938 No 2, 16-17. *Khim. Referat Zhur* 1, No 7, 134-135. It is proposed to substitute ammonium dynamite for 20% greisoutine and 63% dynamite. A 200-g charge of ammonium dynamite at a dust concentration of 300 g cu m does not ignite the dust. W. R. Henn

1. MISHCHENKO, N. V.
2. USSR (600)
4. Fine Dusts
7. Talking down on dust formation in the process of drilling blast holes with perforated drills, Sov. Zhur. no. 11, 1952.
9. Monthly List of Russian Accessions, Library of Congress. January, 1953. Unclassified.

ATTACHED TO THE ...
inch.

...
...
...

...
...

L 10516-66 EWT(a)/EWP(j)/EWA(h)/EWA(1)

RM

ACC NR: AP5027188

SOURCE CODE: UR/0076/65/039/010/2599/2602

AUTHOR: Romantsev, M. F.; Sarayeva, V. V.; Mishchenko, O. A.

ORG: Moscow State University im. M. V. Lomonosov (Moskovskiy gosudarstvennyy univ-ersitet)

TITLE: Radiolysis of solutions of isooctyl and heptyl peroxides in hydrocarbons

SOURCE: Zhurnal fizicheskoy khimii, v. 39, no. 10, 1965, 2599-2602

TOPIC TAGS: hydroperoxide, irradiation effect, hydrocarbon, radiation chemistry, peroxide, solution concentration, chemical decomposition, radiolysis

ABSTRACT: The radiolysis of 2,4,4-trimethyl-2-pentyl hydroperoxide in isooctane and of sec-heptyl hydroperoxide in heptane was studied as a function of the initial hydroperoxide concentration and temperature. Dialkyl peroxides and alcohols were formed; in the range of initial doses, the radiolysis takes place as follows:

- 1) $RH \xrightarrow{\gamma} R, H, \cdot$
- 2) $ROOH + R \rightarrow RO + ROH,$
- 3) $2RO \rightarrow ROOR.$

A study of the yield of radiolysis products formed by the breakdown of hydroperoxides as a function of concentration showed that in the concentration range of 1.8×10^{-4} - 5.6×10^{-3} M at $0^{\circ}C$ the hydroperoxide acts as an acceptor of the radicals formed by the hydrocarbon radiolysis. The yield from the breakdown of ROOH and the formation of products depend little on the temperature. The activation energy of these pro-

UDC: 541.15

Card 1/2

L 10516-66

ACC NR: AP5027188

cesses amounts to approximately 0.7 kcal/mole. In the presence of oxidation products (carbonyl compounds and alcohols), the RO radicals, which result from the breakdown of ROOH, are not completely consumed by the formation of ROOR, but partially participate in other processes. Orig. art. has: 4 figures and 1 table.

SUB CODE: 07 , / SUBM DATE: 18Jul64 / ORIG REF: 005 / OTH REF: 003

Card

2/2

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620009-5"

1941

1. The first step is to identify the problem or question that needs to be answered. This involves understanding the context and the specific requirements of the task.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620009-5"

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620009-5

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001134620009-5"

WISHCHENKO, O.S.

A simple method of regulated administration of oxygen for
dehelminthization. Zov. med. 20 no.1:71-72 Ja '56 (MLRA 9:5)

1. Iz kafedry detskikh bolezney (zav.-dotsent V.P. Cherniuk) Odesskogo
meditsinskogo instituta (dir.-prof. I.IA. Deineka)
(HELMINTH INFECTION, ther.
oxygen, peroral admin.)

MISHCHENKO, O.S.

Use of oxygen in some cases of cestode infections in children;
preliminary report. Med. paraz. 25 no.1:54-56 Ja-M '56 (MLRA 9:6)

1. Iz kafedry detskikh bolezney Odesskogo meditsinskogo instituta
(dir. instituta-prof. I.Ya. Deyneka, zav. kafedroy-dotsent V.P.
Chernyuk).

(TAPEWORM INFECTION, in inf. and child
ther., peroral intestinal oxygen)

(OXYGEN, ther. use
tapeworm infect., in inf. & child peroral admin. to
intestines)

MISHCHENKO, O. S. Doc Med Sci -- (diss "Oxygen therapy of helminthoses in children." Kiev, 1958. 14 p; (Kiev Order of Labor Red Banner Med Inst im A. A. Bogomolets), 250 copies (AL. 41-59, 149)

MISHCHENKO, O.S., kand.med.nauk

Rheumatism in children. Nauka i zhizn' 10 no.2:44-45
F '60. (MIRA 13:6)

(RHEUMATISM) (CHILDREN--DISEASES)

MISHCHENKO, O.S., doktor med. nauk; CHELODENKO, I.A. [translator];
CHELODENKO, L.O., red.; BYKOV, M.M., tekhn. red.

[Prevention of helminthic diseases in children] Zapobihannia
hlistianym zakhvoriuvanniam u ditei. K: iv, Derzh. med. vyd-vo
Urss, 1961. 14 p. (MIRA 15:3)

(CHILDREN--DISEASES)
(WORMS, INTESTINAL AND PARASITIC)

MISHCHENKO, P.A., gornyy inzh.

New method for replacing the lining of the winch traveling pulley.
Ugol' Ukr. 4 no.1:18 Ja '60. (MIRA 12:)
(Winches--Maintenance and repair)

5. 124, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 9

Translation from: Referativnyy zhurnal. Mekhanika, 1969, No. 5, p. 10. # 5000

AUTHOR: Mischenko, P.D.

TITLE: The Effect of Shear on the Ultimate Magnitude of Warpage in
Walled Beams

PERIODICAL: Tr. Novocherk. gos. univ. 1978, Vol. 28 No. 3, p. 11-12

TEXT: The author considers the effect of shear on the stress magnitude at plane bending of thin-walled beams having open symmetrical cross section. The beams are assumed to be loaded transversally in their symmetry plane. The author bases on the hypothesis of the cross section shape stability and derives the solution by successive approximations; this solution differs from the Kármán solution, which investigated the stress distribution in wide and thin I-beam flanges. The coincidence of the results with the rigorous R.A. Adadurov is noticed (Dokl. AN SSSR, 1948, Vol. 62, No. 2) for the membrane shell with rigid support and integral boundary conditions at the ends.

A. A. Yermakov

Translator's note: This is the full translation of the original Russian document.

Card 1/1

MISHCHENKO, P.D.

Stability of rods during displacement. Trudy NPI 136:85-88 1977.

(MIRA 16:16)

(Stability)

(Rods and wires)

MISHCHENKO, P.D.

Stability of plane bending of thin-section rods. Trudy NPI
136,57-62 '63. (MIRA 16:10)

(Stability) (Elastic rods and wires)

RE: HIGHER, L. I.

Modifications of renal function in hypertonic disease (Clin. med.)
Moskva 1986, June 50, 1-2

1. Of the Department of Diagnosis and Special Pathology for the Therapy
of Internal Diseases, Second Moscow State Medical Institute named
I. V. Stalin (Head-Prof. M. A. Volin), Moscow

CIAL 10, 5, Nov., 1986

MISHCHENKO, P. I.

On the penicillin therapy of acute myeloblastic leukemia.
Klin. med., Moskva 29 no.8:91 Aug 1951. (CML 20:11)

1. Of the Department of Diagnosis and Special Pathology and
Therapy (Head of Department -- Prof. M. A. Volin), Second
Moscow Medical Institute imeni I. V. Stalin.

MISHCHENKO, P.I.

~~SECRET~~
Effect of prolonged sleep on renal function in hypertension; preliminary communication. Sovet. med. 17 no.3:13-16 Mar 1953. (CLML 24:2)

1. Candidate Medical Sciences. 2. Of the Clinic for the Diagnosis and Special Pathology and Therapy of Internal Diseases of Second Moscow Medical Institute imeni I. V. Stalin.

MISHCHENKO, P.I.

Clinical significance of residual nitrogen and its derivatives in the blood in hypertension with malignant course. Ter. arkh., Moskva 25 no. 2:53-62 Mar-Apr 1953. (CLML 24:3)

1. Candidate Medical Sciences. 2. Of the Department for the Diagnosis, Special Pathology and Therapy of Internal Diseases, Second Moscow Medical Institute imeni I. V. Stalin.

PI MISHCHENKO.

The effect of ultraviolet rays on the absorption spectra of amino acids irradiated in an atmosphere of argon and nitrogen. P. I. Mishchenko. *Biochimica* 19, 268-72 (1954). — The irradiation of some of glycine, alanine, serine, cysteine, cytosine, L-leucine, D-leucine, asparagine, tyrosine, tryptophan, and histidine in the open air and in A or N resulted in the same types of absorption curves. It would seem, therefore, that the oxidation of these amino acids occurs under the influence of ultraviolet rays not as a result of taking up O, but rather by a splitting off of H. This can be verified by the following observations: Under the effect of ultraviolet rays cysteine and cystine are decomposed with the formation of H₂S in the open air and in pure A or N. Oxidation of these amino acids with KMnO₄ or K₂Cr₂O₇ does not result in the formation of H₂S. This would indicate that oxidation in the latter instance resulted from the mols. taking on O, whereas in the first instances oxidation resulted from the loss of H. It has been generally believed that under the influence of ultraviolet rays there are formed NH₃ and nitrate, and H₂O₂, which acts as a strong oxidizer. The data of the study presented fail to substantiate this assumption.

B. S. Lavise.

MISHCHENKO, P.I., kandidat meditsinskikh nauk

Renal functions during a malignant course of hypertension. Klin.
med. 32 no.10:71-76 O '54. (MLRA 8-1)

1. Iz kafedry diagnostiki i chastnoy patologii s terapiyey
vnutrennikh bolezney lechebnogo fakul'teta II Moskovskogo medi-
tsinskogo instituta imeni I.V.Stalina.

(HYPERTENSION, physiology,
kidney funct. tests)

(KIDNEY FUNCTION TESTS, in various diseases,
hypertension)

MISHCHENKO, P.I., kandidat meditsinskikh nauk

Clinical significance of determining renal circulation from idio-
pyracet. Terap.arkh. 27 no.2:35-47 '55. (MLRA 3:7)

1. Iz propedevticheskoy terapevticheskoy kliniki II Moskovskogo
meditsinskogo instituta imen' I.V.Stalina.

(CONTRAST MEDIA,

diotrast, determ. of renal circ. in hypertension)

(KIDNEYS, blood supply,

circ. in hypertension, determ. with diotrast)

(HYPERTENSION, physiology,

kidney circ., determ. with diotrast)

MISHCHENKO, P.I.; POVINSKAYA, A.I. [deceased]

Diuretic effect of promeran; preliminary communication. Sov.med.
23 no.12:99-104 D '59. (MIRA 13:4)

1. Iz kliniki propedevtiki vnutrennikh bolezney (zaveduyushchiy -
prof. A.M. Damir) II Moskovskogo meditsinskogo instituta imeni
N.I. Pirogova.
(DIURETICS MERCURIAL ther.)

MISHCHENKO, P.I.; HUCHKINA, O.P.

Diuretic action of diacarb. Sov.med. 24 no.1:123-126 Ja '60.

(MIRA 13:5)

1. Is kliniki propedevtiki vnutrennikh bolezney (sav. - prof.
A.M. Damir) II Moskovskogo meditsinskogo instituta imeni N.I.
Pirogova.

(ACETAZOLAMIDE pharmacol.)